

Cal., Commercial College, on "The business man and the weather map".

Mr. L. H. Daingerfield, April 28, 1907, before the Channing Club of Pueblo, Colo., on "Climate and life of Mesozoic North America".

Mr. R. J. Hyatt, April 9, 1907, before the State Arid Farming Convention, at Salt Lake City, Utah, on "The distribution of precipitation in Utah".

Mr. J. Warren Smith, March 9, 1907, before the Columbus, Ohio, Young Men's Christian Association, on "The work of the Weather Bureau".

Mr. R. H. Sullivan, April 16, 1907, before pupils of the Emerson School, Wichita, Kans., on "The atmosphere".

Mr. A. H. Thiessen, April 18, 1907, before the classes in science at Peace Institute, Raleigh, N. C., on "Forecasting the weather".

Classes from universities, schools, and colleges have visited the Weather Bureau offices to study the instruments and equipment and receive informal instruction, as reported from the following stations:

Albany, N. Y., November 8, 1906, the physical geography class of the State Normal College; February 14, 1907, the junior class of the State Normal College; March 23, 1907, the juniors of the Albany Young Men's Christian Association; May 14, 1907, the physical geography class of the Rensselaer High School.

Columbus, Ohio, March 2, 1907, a class in geology from the Ohio State University; March 5, 1907, the physical geography class of the State Institution for the Blind.

Pueblo, Colo., April 16 and 23, 1907, pupils of the Fountain Public School.

Raleigh, N. C., April 2, 1907, a class in physics from the Baptist University.

#### RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

H. H. KIMBALL, Librarian.

The following titles have been selected from among the books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be loaned for a limited time to officials and employees who make application for them.

**Bracke, Albert.**

Déformations du soleil. Mons. n. d. 16 p. 16°. (Série des curiosités de l'atmosphère. No. 1.)

Nuages irisés. Mons. n. d. 16 p. 16°. (Série des curiosités de l'atmosphère. No. 4.)

Promenade dans la neige. Mons. n. d. 16 p. 16°. (Série des curiosités de l'atmosphère. No. 3.)

Trombes de Belgique. Mons. n. d. 16 p. 16°. (Série des curiosités de l'atmosphère. No. 2.)

**Bruel, Georges.**

Le cercle du Moyen-Logone. Paris. 1905. 131 p. 8°.

**Bürgel, Bruno H.**

Wetter-Kalender und kritische Tage für das Jahr 1907. Januar-Juni. Berlin. [1906?] 87 p. 24°.

**Drescher, C.**

Kosmische Schneewolken. 2 Auflage. Breslau. 1904. 31 p. 8°.

**Duncan, Robert Kennedy.**

The new knowledge. London. 1906. xviii, 263 p. 8°.

**Grühn, Ph.**

Die Temperaturverhältnisse Schleswig-Holsteins und Dänemarks. Meldorf. 1896. 30; 24 p. 4°. (Beitr. Jahressb. Gymn. Meldorf. 1895-96; 1896-97.)

**Hahn, R.**

Das Wetter, die Winde und die Strömungen der Meere. Hamburg. [1904.] 48 p. 4°.

**Hollman, M.**

Wetterkunde. Eine allgemeinverständliche Anleitung zur Beurteilung der Wetterlage. Berlin. 1907. 52 p. 12°.

**Hutter, Franz.**

Wanderungen und Forschungen im Nord-Hinterland von Kamerun. Braunschweig. 1902. xiii, 578 p. 4°.

**Ihne, E.**

Phaenologische Mitteilungen (Jahrgang 1905). n. p. n. d. 28 p. 8°. (S.-A. Abhandl. d. Naturh. Gesellsch. 16 Bd., H. 1. Nürnberg.)

**Jefferson, Mark S. W.**

Rainfall of the lake country for the last 25 years. n. p. n. d. p. 78-97. 8°. (Repr. 8th annual report Mich. acad. of sc. [1906].)

**Kaiser, Max.**

Land- und Seewinde an der deutschen Ostseeküste. Inaug.-Diss. . . Halle a. S. Halle a. S. 1906. 22 p. 4°.

**Krebs, H.**

Was ist morgen für Wetter? Berlin. 1907. 59 p. 12°.

**Luedcke, C.**

Das Verhältnis zwischen der Menge des Niederschlages und des Sickerwassers nach englischen Versuchen. Berlin. 1906. p. 615-646. 4°. (S.-A. Mitt. Landwirtsch. Inst. Königl. Univ. Breslau. 3 Bd. Heft 5.)

**MacGregor, Sir William.**

Address . . . delivered at the opening of the Newfoundland agricultural exhibition, in the British hall, St. John's, 17th October, 1906. n. p. n. d. 6 p. With tables. f°.

**Marloth, R.**

Results of experiments on Table Mountain for ascertaining the amount of moisture deposited from the southeast clouds. n. p. n. d. p. 403-408. 4°. (Fr. Trans. South African phil. soc. v. 14. Pt. 4. Oct., 1903.)

Results of further experiments on Table Mountain for ascertaining the amount of moisture deposited from the southeast clouds. (Fr. Trans. South African phil. soc. v. 16. Pt. 2. Oct., 1905.)

**Netherlands. Koninklijk Nederlandsch meteorologisch instituut.**

Annuaire. 27 année. 1905. A. Météorologie. Utrecht. 1907. xxxvi, 260 p. f°.

**Otto, —.**

Das Klima von Eisleben nach den meteorologischen Beobachtungen der Jahre 1885-1905. Eisleben. 1906. 19 p. 8°. (Beil. Jahressb. Königl. Gymn. zu Eisleben 1906.)

**Pernter, J. M.**

Der Formenreichtum der Schneekristalle. Berlin. 1907. 32 p. 12°. (Vorträge Ver. naturw. Kennt. Wien. 46. Jahrg. Heft 15.)

**Petre, F. Lorraine.**

The republie of Colombia. London. 1906. xii, 352 p. 8°.

**Rizzo, G. B.**

Contributo allo studio del terremoto della Calabria del giorno 8 settembre 1905. (Estr. Atti della R. Acad. Peloritana. v. 23. Fase. 1.) Messina. 1907. 86 p. 8°.

**Rotch, Abbott Lawrence.**

Did Benjamin Franklin fly his electrical kite before he invented the lightning rod? Worcester, Mass. 1907. 8 p. 8.

**St. Petersburg. Institut impérial forestier. Observatoire météorologique.**

Observations 1905. St. Petersburg. 1907. xii, 73 p. 12°.

**Schück, A.**

Zwei magnetische Beobachtungen vor der Westküste Norwegens im Jahre 1902. Beiträge zur Meereskunde. Hamburg. 1905. v. p. 4°.

**Spariosu, Basil.**

Wissenschaftlich begründete Wetter-Prognose für das Jahr 1907. Kremsmünster. n. d. 4 p. 24°.

**Sreznevskii, B.**

Ezhechiachnye obzory pogody v Evropie i preimushchestvenno v Evrop. Rossii (khronika pogody) za 1900. . . [Monthly review of the weather of Europe and especially of European Russia.] . . . St. Petersburg. 1902. viii, 126 p. 4°.

**Stonyhurst (England). Stonyhurst college observatory.**

Results of meteorological and magnetalical observations. 1906. Clitheroe. 1907. vi, 56 p. 12°.

**Tananarive. Observatoire de Madagascar.**

Observations météorologiques. . . 1904. Tananarive. 1906. vi, 265 p. 8°.

**Vernon, Edward.**

Is it going to rain? 2d ed. Edinburgh. n. d. 106 p. 16°.

**Vregille, Pierre de.**

L'Observatoire Tananarive (1898-1906). n. t. p. 12 p. 8°.

**Weber, Sir Hermann, and Weber, F. Parker.**

Climatotherapy and balneotherapy. London. 1907. 833 p. 4°.

**Western Australia. Government astronomer.**

Meteorological observations made at the Perth observatory and other places in Western Australia during the year 1905. Perth. 1906. 143 p. f°.

#### RECENT PAPERS BEARING ON METEOROLOGY.

H. H. KIMBALL, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate